

Safety Data Sheet

according to Regulation (EC) No 1907/2006

VELIND Türschlossenteiser 50ml

Revision date: 05.04.2017 Product code: 31538 Page 1 of 12

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

VELIND Türschlossenteiser 50ml

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Anti-freeze and de-icing products

Uses advised against

No information available. Use(Usage) exclusively according to labelled intended purpose!

1.3. Details of the supplier of the safety data sheet

Company name: VELIND Aerosol GmbH
Street: Passower Chaussee 111
Place: D-16303 Schwedt/O

Telephone: +49 33 32 / 4 50 88 - 0 Telefax: +49 33 32 / 4 50 88 - 30

e-mail: info@velind.de

Contact person: Witt Telephone: 18

e-mail: qs@velind.de Internet: www.velind.de

Responsible Department: QS

1.4. Emergency telephone Emergency Poison Center / GGIZ der Länder Mecklenburg-Vorpommern,

number: Sachsen, Sachsen-Anhalt und Thüringen: +49 3 61 / 7 30 73 -0

Further Information

Emergency - Phonecalls to +49 (0) 33 32 / 4 50 88 16 (during office-hours from 8.00 a.m. to 4.00 p.m.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

propan-2-ol; isopropyl alcohol; isopropanol

Signal word: Danger

Pictograms:





Hazard statements

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.



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Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smokina.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of the Contents/container of waste according to with local/national regulations

applicable legislation.

Additional advice on labelling

Exemptions from Article 17 [(Article 29(2)] 1272/2008: Labelling of packages where the contents do not exceed 125 ml

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture. Inhalation causes narcotic effects/intoxication.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification according to Regulati	on (EC) No. 1272/2008 [CLP]	•		
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	200-661-7	603-117-00-0 01-2119457558-25			
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336				
107-21-1	ethanediol, ethylene glycol				
	203-473-3	603-027-00-1	01-2119456816-28		
	Acute Tox. 4, STOT RE 2; H302 H3				
110-25-8	N-methyl-N-oleoylglycine		< 1 %		
	203-749-3		01-2119488991-20		
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 1); H332 H315 H318 H400				

Full text of H and EUH statements: see section 16.

Further Information

In use, may form flammable/explosive vapour-air mixture. Inhalation causes narcotic effects/intoxication.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, saturated clothing immediately. First aider: Pay attention to self-protection! Move victim out of danger zone.

After inhalation

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Provide fresh air. Move victim out of danger zone. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap.



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After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water. Rinse mouth thoroughly with water. Do NOT induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

The following symptoms may occur::

Intoxication. unconsciousness. Headache. drowsiness. vomiting. Dizziness. Depression of the central nervous system.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. This information is not available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide (CO2), Extinguishing powder. alcohol resistant foam. Water fog.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Highly flammable. Vapours can form explosive mixtures with air. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Vapours are heavier than air and will spread at floor level. Beware of reignition. Special exposure hazards arising from the substance itself, combustion products, resulting gases: Carbon monoxide Carbon dioxide.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Special protective equipment for firefighters

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Move undamaged containers from immediate hazard area if it can be done safely. Remove according to the regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protection equipment. Keep away from sources of ignition - No smoking.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion Provide fresh air. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Ventilate affected area. Collect in closed containers for disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8



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Disposal: see section 13

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Do not breathe gas/fumes/vapour/spray. Use only outdoors or in a well-ventilated area. Keep away from sources of ignition - No smoking. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. When using do not eat, drink, smoke, sniff. Keep out of the reach of children. Keep away from hot surfaces. Prolonged/repetitive skin contact may cause skin defattening or dermatitis. Read label before use. Observe in addition any national regulations!

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air. Protect from sunlight. Store in a well-ventilated place. Keep only in the original container in a cool, well-ventilated place.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Maximum storage temperature: 30°C Further information concerning storage conditions: The floor should be leak tight, jointless and not absorbent. Ensure adequate ventilation of the storage area.

Advice on storage compatibility

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances. Keep away from: Oxidizing agents. strong alkalis. Strong acid.

Further information on storage conditions

Fire class: B

7.3. Specific end use(s)

Anti-freeze and de-icing products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
107-21-1	1 Ethane-1,2-diol, vapour		52		TWA (8 h)	WEL
		40	104		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL



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DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
107-21-1	ethanediol, ethylene glycol			
Worker DNEL,	long-term	inhalation	local	35 mg/m³
Worker DNEL,	long-term	dermal	systemic	106 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	local	7 mg/m³
Consumer DN	EL, long-term	dermal	systemic	53 mg/kg bw/day
110-25-8	N-methyl-N-oleoylglycine			
Worker DNEL,	long-term	dermal	systemic	10 mg/kg bw/day
Consumer DN	EL, long-term	dermal	systemic	5 mg/kg bw/day
Worker DNEL,	acute	dermal	systemic	100 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	50 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	5 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	92 mg/kg bw/day
Worker DNEL, acute		inhalation	local	18 mg/m³
Consumer DN	EL, acute	inhalation	local	9 mg/m³
Consumer DNEL, acute		inhalation	systemic	9 mg/m³
Worker DNEL, acute		inhalation	systemic	18 mg/m³
Consumer DNEL, long-term		inhalation	local	0,005 mg/m³
Worker DNEL, long-term		inhalation	local	0,01 mg/m³
Consumer DNEL, long-term		inhalation	systemic	0,1 mg/m³
Worker DNEL, long-term		inhalation	systemic	0,2 mg/m³
		-		_

PNEC values

CAS No	Substance				
Environmenta	Environmental compartment				
107-21-1 ethanediol, ethylene glycol					
Freshwater		10 mg/l			
Marine water		1 mg/l			
Freshwater sediment		20,9 mg/kg			
Micro-organisms in sewage treatment plants (STP)		199,5 mg/l			
Soil		1,53 mg/kg			

Additional advice on limit values

Take precautionary measures against static discharges.

8.2. Exposure controls









Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation as well as local exhaustion at critical locations. Exposure controls / Personal protection equipment



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Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. When using do not eat, drink, smoke, sniff. Personal protection equipment. Contaminated work clothing should not be allowed out of the workplace. Technical ventilation of workplace.

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Tested protective gloves are to be worn: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable material: NBR (Nitrile rubber). Butyl rubber.

Thickness of glove material: 0,7mm

Breakthrough times and swelling properties of the material must be taken into consideration.

Protect skin by using skin protective cream. Set out skin protection guidelines.

Apply skin care products after work.

Skin protection

Flame-retardant protective clothing. Wear anti-static footwear and clothing . . .

Respiratory protection

In case of inadequate ventilation wear respiratory protection. With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at: exceeding exposure limit values. Filtering device (full mask or mouthpiece) with filter:

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: dark grey
Odour: characteristic

Test method

pH-Value: not determined

Changes in the physical state

Melting point:
Initial boiling point and boiling range:

>78 °C

Flash point:

>12 °C

Flammability

Solid: not applicable
Gas: not applicable

Explosive properties

not explosive. In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits:

Upper explosion limits:

not determined

not determined



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Ignition temperature: not determined

Auto-ignition temperature

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure:

Density:

Density:

Bulk density:

Water solubility:

not determined

0,818 g/cm³

not applicable
easily soluble

Solubility in other solvents

not determined

Partition coefficient:

Viscosity / dynamic:

vapour density:

Evaporation rate:

not determined
not determined
not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable. The product has not been tested.

10.2. Chemical stability

Stable with proper storage and handling.

10.3. Possibility of hazardous reactions

No decomposition if used as intended

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Refer to chapter 7.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Take precautionary measures against static discharges.

10.5. Incompatible materials

Refer to chapter 7.

Materials to avoid: Oxidizing agents.

10.6. Hazardous decomposition products

Refer to chapter 5.

No decomposition if used as intended

In case of fire may be liberated: Carbon monoxide. Carbon dioxide.

Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicocinetics, metabolism and distribution

Mixture not tested. There are no data available on the preparation/mixture itself.



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Acute toxicity

Based on available data, the classification criteria are not met.

There are no data available on the mixture itself.

CAS No	Chemical name							
	Exposure route	Dose		Species	Source	Method		
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol							
	oral	LD50 mg/kg	>2000	Rat				
	dermal	LD50 mg/kg	>2000	Rabbit				
	inhalative (4 h) vapour	LC50	>20 mg/l	Rat				
107-21-1	ethanediol, ethylene glycol							
	oral	LD50 mg/kg	>2000	Rat				
	dermal	LD50 mg/kg	>2000	Mouse				
	inhalative (4 h) aerosol	LC50	>2,5 mg/l	Rat				
110-25-8	N-methyl-N-oleoylglycine							
	oral	LD50 mg/kg	>2000	Rat				
	inhalative (4 h) vapour	LC50	1,8 mg/l	Rat				
	inhalative aerosol	ATE	1,5 mg/l					

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

There are no data available on the mixture itself.

Sensitising effects

Based on available data, the classification criteria are not met.

There are no data available on the mixture itself.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

There are no data available on the mixture itself.

STOT-single exposure

May cause drowsiness or dizziness. ((propan-2-ol; isopropyl alcohol; isopropanol))

STOT-repeated exposure

Based on available data, the classification criteria are not met.

There are no data available on the mixture itself.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

There are no data available on the mixture itself.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Practical experience

Observations relevant to classification

The evaluation based on subjective human observations: May cause drowsiness or dizziness. Headache.

Further information

Mixture not tested. There are no data available on the preparation/mixture itself.



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SECTION 12: Ecological information

12.1. Toxicity

Mixture not tested. There are no data available on the preparation/mixture itself.

CAS No	Chemical name							
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol							
	Acute fish toxicity	LC50 mg/l	>100	96 h	Pimephales promelas			
	Acute algae toxicity	ErC50 mg/l	>100		Scenedesmus subspicatus			
	Acute crustacea toxicity	EC50 mg/l	>100	48 h	Daphnia magna			
107-21-1	ethanediol, ethylene glyco	ol						
	Acute fish toxicity	LC50 mg/l	>100	96 h	Oncorhynchus mykiss (Rainbow trout)			
	Acute algae toxicity	ErC50 mg/l	>100	96 h	Selenastrum capricornutum			
	Acute crustacea toxicity	EC50 mg/l	>100	48 h	Daphnia magna			
	Fish toxicity	NOEC mg/l	15380	7 d	Pimephales promelas			
	Crustacea toxicity	NOEC mg/l	8590	7 d	Ceriodaphnia spec			
110-25-8	N-methyl-N-oleoylglycine							
	Acute fish toxicity	LC50 mg/l	1 - 10		Leuciscus idus (golden orfe)			
	Acute algae toxicity	ErC50	6,3 mg/l	72 h	Desmodesmus subspicatus			
	Acute crustacea toxicity	EC50 mg/l	0,43	48 h	Daphnia magna			

12.2. Persistence and degradability

The product has not been tested. No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
107-21-1	ethanediol, ethylene glycol	-1,36

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Further information

Avoid release to the environment. Mixture not tested. There are no data available on the preparation/mixture itself.

SECTION 13: Disposal considerations



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13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. The waste codes are recommendations based on the scheduled use of this products. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Waste disposal number of used product

070604 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease,

soaps, detergents, disinfectants and cosmetics; other organic solvents, washing liquids and mother

liquors

Classified as hazardous waste.

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately

collected municipal packaging waste); plastic packaging

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled. Recommendation: Dispose of waste according to applicable legislation. E.g. Dispose of contents/container to industrial incineration plant. Or: Dispose of this material and its container to hazardous or special waste collection point. Do not empty into drains.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1987

14.2. UN proper shipping name: ALCOHOLS, N.O.S.

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



Classification code: F1

Special Provisions: 274 601 640C

Limited quantity: 1 L
Excepted quantity: E2
Transport category: 2
Hazard No: 33
Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number: UN 1987

14.2. UN proper shipping name: ALCOHOLS, N.O.S.

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3





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Classification code: F1

Special Provisions: 274 601 640C

Limited quantity: 1 L Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number: UN 1987

14.2. UN proper shipping name: ALCOHOLS, N.O.S.

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



Special Provisions: 274
Limited quantity: 1 L
Excepted quantity: E2
EmS: F-E, S-D

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Warning: Combustible liquid.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Information according to 2012/18/EU P5c FL

P5c FLAMMABLE LIQUIDS

(SEVESO III):

Additional information

Labelling for contents according to regulation (EC) No 648/2004, annex 7: No.

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile

work protection guideline' (94/33/EC).

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

These details refer to the products as it is delivered.

Notice the directions for use on the label.

* Data changed compared with the previous version

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods



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IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
1.1000	

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singulary responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)